

The attached Appendix includes marked-up copies of each rewritten paragraph (37 C.F.R. §1.121(b)(1)(iii)). Prompt and favorable examination on the merits is respectfully requested.

Respectfully submitted,



William P. Berridge
Registration No. 30,024

Jacob A. Doughty
Registration No. 46,671

WPB:JAD/hs

Date: August 1, 2002

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

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APPENDIX

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Changes to Specification:

Page 30, Table 5:

Table 5: Fluorescein Labeling of RNA and DNA oligonucleotides determined by MALDI-TOF mass spectrometry.

Labeling Agent	Metal	SEQ ID NO: 11 (RNA)	SEQ ID NO: 10 (RNA)	SEQ ID NO: 7 (RNA)	SEQ ID NO: 5 (DNA)
5-BMF	Zn ²⁺	+	++	+	++
	Tb ³⁺	-	ND	-	+
	None (H ₂ O)	-	-	-	-
6-IA-F	Zn ²⁺	-	-	+	++
	Tb ³⁺	-	-	ND	-
	None (H ₂ O)	-	-	-	-

Page 30, Table 6:

Table 6: Fragmentation of RNA and DNA oligonucleotides determined by MALDI-TOF mass spectrometry.

Labeling Agent	Metal	SEQ ID NO: 11 (RNA)	SEQ ID NO: 10 (RNA)	SEQ ID NO: 7 (RNA)	SEQ ID NO: 5 (DNA)
5-BMF	Zn ²⁺	++	+++	++	-
	Tb ³⁺	++	ND	+++	++
	None (H ₂ O)	-	-	+	-
6-IA-F	Zn ²⁺	-	-	++	-
	Tb ³⁺	++	+++	ND	++
	None (H ₂ O)	-	-	+	-
	Zn ²⁺			+	
	None (H ₂ O)			+	

Page 30, Table 7:

Table 7: Percentage of Fluorescein Attached

Labeling Agent	Metal ion	SEQ ID NO: 11 (RNA)	SEQ ID NO: 10 (RNA)	SEQ ID NO: 7 (RNA)	SEQ ID NO: 5 (DNA)
5-BMF	Zn ²⁺	34.0	48.4	40.6	119.
	Tb ³⁺	23.2	23.9	15.3	31.1
	None (H ₂ O)	5.21	0.511	5.05	0.683
6-IA-F	Zn ²⁺	21.0	27.0	31.3	125.
	Tb ³⁺	8.17	6.32	4.82	16.0
	None (H ₂ O)	3.88	0.579	0.939	1.63